



Thw
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of: Getty et al.
10/817,089
APPLICATION NO.: ~~10/817,088~~

CASE NO.: CL2127 US NA

GROUP ART UNIT: UNKNOWN

FILED: APRIL 2, 2004

EXAMINER: UNKNOWN

FOR: SCREENING FOR ELECTRICAL CONDUCTIVITY OF MOLECULES BY
MEASURING SURFACE POTENTIAL

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In compliance with 37 CFR 1.97 and 1.98, Applicants bring to the attention of the U.S. Patent and Trademark Office information listed on the enclosed PTO/SB/08A and PTO/SB/08B . A copy of the information is also enclosed.

Should any fee be required in connection with the filing of this Information Disclosure Statement, please charge such fee to Deposit Account No. 04-1928 (E. I. du Pont de Nemours and Company).

Respectfully submitted,

S. NEIL FELTHAM
Attorney for Applicant(s)
Registration No. 36,506
Telephone: (302) 992-6460
Facsimile: (302) 892-7949

Dated: 7/30/04

Enclosures

I HEREBY CERTIFY THAT THIS PAPER IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: COMMISSIONER FOR PATENT, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450, ON THIS DATE.

8/3/04
DATE

MARY BETH PITCHER

AUG 05 2004
PATENT & TRADEMARK

PTO/SB/DBA (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	2
-------	---	----	---

Complete if Known

Application Number	10/817,088 10/817,089
--------------------	----------------------------------

Filing Date	April 2, 2004
--------------------	----------------------

First Named Inventor	Getty et al.
----------------------	--------------

Group Art Unit	Unknown
----------------	---------

Examiner Name	Unknown
---------------	---------

Attorney Docket Number	CL2127 US NA
------------------------	--------------

[illegible][illegible]

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

BEST AVAILABLE COPY

Please type a plus sign (+) inside this box



PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0851-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

Complete If Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 2

Application Number	10/847,088 10/817,089
Filing Date	April 2, 2004
First Named Inventor	Getty et al.
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	CL2127 US NA

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		J. Lu et al., Kelvin Probe Force Microscopy on Surfaces: Investigation of the Surface Potential of Self-Assembled Monolayers on Gold, Langmuir, Vol. 15, pp. 8184, 1999	
		Dhirani et al., Self-assembled molecular rectifiers, J. Chem. Phys. 106(312), 22 March 1997 Vol. 106, pp. 5249, 1997	
		Yan et al., Patterning a Preformed, Reactive SAM Using Microcontact Printing, J. Am. Chem. Soc., 120: pp. 6179-6180, 1998	
		Schon et al., Self-assembled monolayer organic field-effect transistors, Letters to Nature, Vol. 413, 10/18/2001, pp. 713-718	
		Motomatsu et al., surface structure of a fluorinated thiol on Au(111) by scanning force microscopy, Thin Solid Films, 281-281, 1998, pp. 548-551	
		Percec et al., Synthesis, Structural Analysis, and Self-Assembly of Phenylene Ethynylene Oligomers and Their -F, -CF ₃ , and -CH ₃ Substituted Derivatives, DuPont Central Research and Development, pp: 541-550, July 31, 2003	
		Uchihashi et al., High-resolution imaging of organic monolayers using noncontact AFM, Applied Surface Science 157(2000), 244-250	
		Xia et al., Soft Lithography, Annu. Rev. Mater. Sci., 1998 28: pp. 153-184	
		Saito et al., Surface potentials of patterned organosilane self-assembled monolayers acquired by Kelvin probe force microscopy and ab initio molecular calculation, Chemical Physics Letters 349, 2001, pp. 172-177	
		Sugimura et al., Surface potential microscopy for chemistry of organic self-assembled monolayers in small domains, Department of Material Science and Engineering, Published 22, January 2003	
		Schon et al., Field-Effect Modulation of the Conductance of Single Molecules, Science, December 7, 2001, Vol. 294	

Examiner
Signature

Date
Considered

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.